

## Personal

Name: Silas Merlin Gerhard

[LinkedIn](#)

## Education

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Since 08/2024	<b>Norwegian University of Science and Technology, Trondheim (N)</b> PhD Candidate
10/2021 – 05/2024	<b>Technical University of Munich (TUM), Munich (D)</b> M.Sc. Electrical and Computer Engineering (Electrical Power Engineering) Exchange semesters at Norwegian University of Science and Technology (NTNU): 08/2022 – 12/2022 & 10/2023 – 04/2024 Research Internship: Determination of the Permittivity of Nanodielectrics by Electrostatic Field Simulation Thesis: Lifetime Estimation of Extruded HVDC Cable Insulation (at NTNU, Evaluation: 1,0) Degree: 1,4 (A) (passed with distinction) at 120 ECTS
10/2018 – 09/2021	<b>Baden-Wuerttemberg Cooperative State University, Mannheim (D)</b> B.Eng. Electrical Engineering (Electrical Power Engineering) Tutor for Fundamentals of Electrical Engineering Thesis: Statistical Evaluation of Partial Discharge Measurement Data of Medium Voltage Motors for Early Fault Detection (Evaluation: 1,0) Degree: 1,3 (A) at 210 ECTS
09/2010 – 07/2018	<b>Ernst-Abbe-Gymnasium, Oberkochen (D)</b> High school diploma (Abitur); Degree: 1,4

## Work Experience

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03/2023 – 08/2023	<b>Working Student, WISAG Elektrotechnik GmbH &amp; Co. KG, Munich (D)</b> Project management for power supply systems
10/2021 – 06/2022	<b>Working Student, Linde GmbH - Engineering Division, Pullach (D)</b> Management of scientific literature database
09/2018 – 09/2021	<b>Dual Student, Linde GmbH - Engineering Division, Pullach (D)</b> <ul style="list-style-type: none"><li>▪ Electrical engineering project execution for process plants</li><li>▪ Interconnection planning, lightning protection coordination, network simulation with etap, partial discharge measurement</li><li>▪ Prepare specifications and carry out factory acceptance tests</li><li>▪ Electrical commissioning on construction sites</li></ul>

## Skills

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### Language Skills

German: native

English: full professional

Norwegian: basic

### EDP Skills

MS Office: very good    C-Programming: good    Matlab: good    Comsol: good    LaTeX: elementary

Citavi: very good    IEC 61131-3: good    LTspice: good    etap: basic    CAD/CFD: elementary

## Additional Qualifications

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Since 07/2018

Online scholarship at e-fellows.net

2021 & 2023

Member of the expert jury for technology at the German youth competition Jugend forscht (regional competition Ostwuerttemberg)

05/2022

Linde 2021 Product Impact Award (Predictive Reliability Technology)

07/2018

Abitur prize of the German Physical Society (DPG)

## Personal Interests and Activities

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- Traveling (culture, history, landscape)
- Air sports (pilot for gliders and touring motor gliders (TMG))
- Skiing
- Politics
- Acting